

Map & Photo Legend



SE01-05-06a Head of Thorne Bay looking northwest.



SE01-05 Thorne Bay narrows looking southwest.



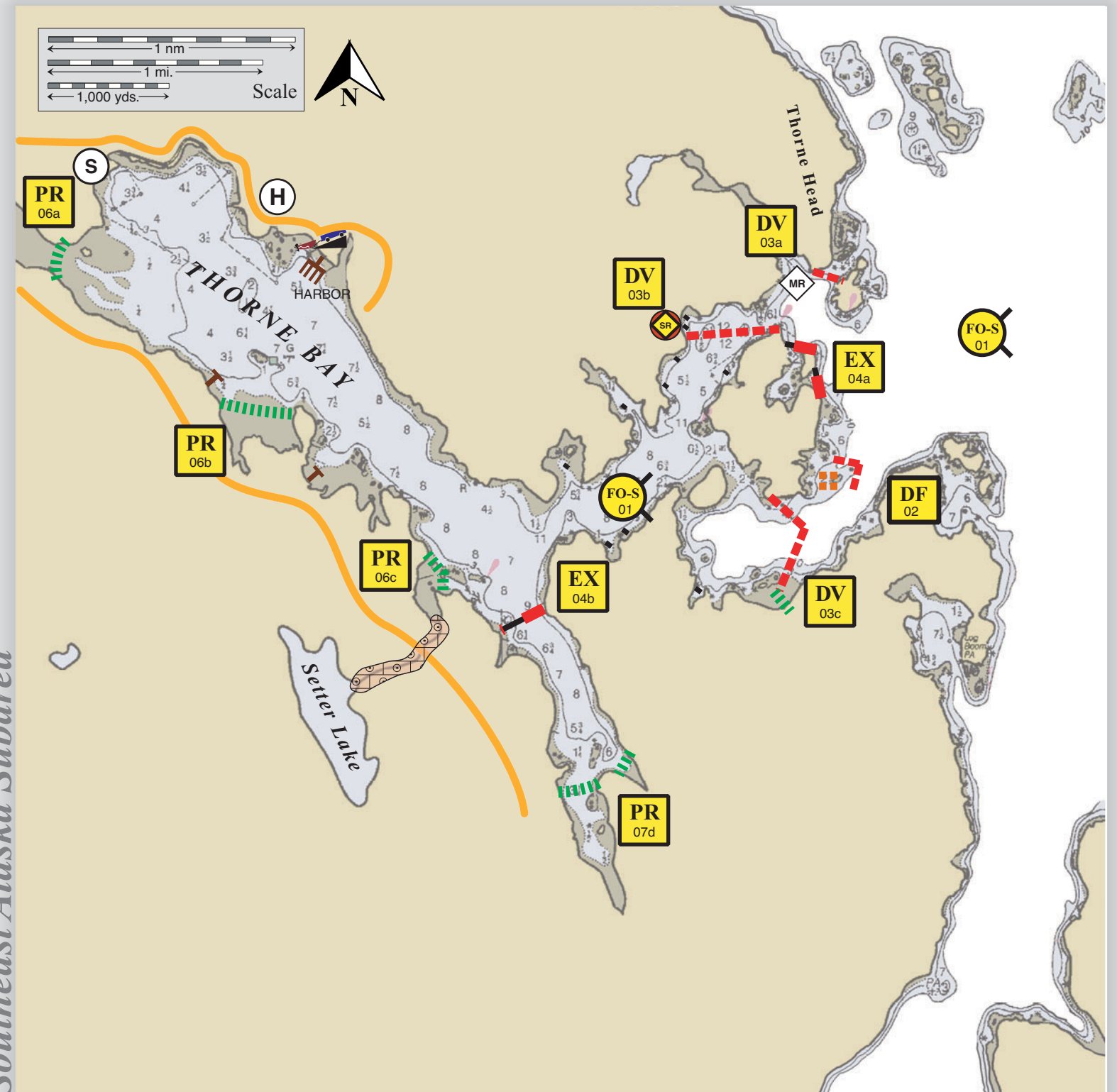
SE01-05-04b Thorne Bay narrows looking southeast.

- FO-S** Free-oil Containment and Recovery, Shallow Water
- EX** Exclusion Booming
- DV** Diversion Booming
- DF** Deflection Booming
- PR** Passive Recovery and Debris Removal
- Protected-water Boom
- Calm-water Boom
- ||||| Snare Line
- MR** Marine Recovery
- SR** Shoreside Recovery, Marine Access
- S** Staging Area
- H** Helicopter Landing Site
- Dock
- Boat Ramp
- Seal Haulout
- Salmon Stream
- Float Houses
- Gravel Road

Geographic Response Strategies for Southeast Alaska Subarea

Thorne Bay, SE01-05

Center of map at 55° 39.9' N Lat., 132° 29.7' W Lon.



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SE01-05-01	Thorne Bay Nearshore waters in the general area of: a. Lat. 55° 41.0 N Lon. 132° 33.2 W b. Lat. 55° 41.0 N Lon. 132° 33.2 W	Free-oil Recovery-Shallow Water Maximize free-oil recovery in the offshore & nearshore environment near the mouth of Thorne Bay.	Deploy free-oil recovery strike teams upwind and up current of the entrance to Thorne Bay. Use aerial surveillance to locate incoming slicks.	Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Thorne Bay or Ketchikan	Via marine waters Chart 17423B	Same as SE01-05-02	Vessel master should have local knowledge.
SE01-05-02	Thorne Bay Lat. 58° 40.9 N Lon. 134° 58.7 W	Deflection-Fixed Deflect oil from the seal haul out in the southern entrance to the Thorne Bay.	Transport equipment to site by marine vessel (class 2/3/4). Place boom and anchors with fishing vessels and skiffs (class 3/4/6). Position boom in a chevron pattern at an appropriate angle to deflect oil from the seal haul out	Deployment Equipment 1000 ft. protected-water boom 12 ea. anchor systems (~40 lbs.) 1 ea. apex anchor system(~60 lbs.) Vessels 1 ea. class 2 2 ea. class 3/4 2 ea. class 6 Personnel/Shift 15 ea. vessel crew Tending Vessels 1 ea. class 3/4 2 ea. class 6 Personnel/Shift 7 ea. vessel crew	Thorne Bay or vessel platform	Via marine waters Chart 17423B	Fish-intertidal salmon/trout spawning (concentrations < 10,000)(pink, chum, coho, sockeye, steelhead, Dolly Varden, cutthroat) Human use-subsistence-high use marine invertebrate area Marine mammals- harbor seals	Vessel master should have local knowledge. Tested: not yet Surveyed: 5/5/03 TLR
SE01-05-03	Thorne Bay a. Lat. 55° 40.96 N Lon.132° 27.60 W b. Lat. 55° 40.68 N Lon.132° 28.65 W c. Lat. 55° 40.68 N Lon.132° 28.65 W	Divert Recover Divert oil entering Thorne Bay to shore-side recovery.	Transport equipment by vessel to the site (class 2/3/4). Deploy anchors and boom with skiffs and fishing vessels (class 3/4/6) Place boom (a) between Thorne Head and the island. Place (b) between the larger island and the mainland using the bight as a recovery area. Place (c) in the southern entrance in a chevron pattern with passive recovery established on the southern intertidal area. <u>Boom Array</u> a. 600 ft. b. 1500 ft. c. 3500 ft.	Deployment Equipment 5600 ft. protected-water boom 300 ft. snare or sorbent boom 58 ea. anchor systems (~40 lbs.) 16 ea. anchor stakes 1 ea. shoreside recovery unit 1 ea. marine recovery unit Vessels/Personnel/Shift Same as SE01-05-02	Thorne Bay or vessel platform	Via marine waters Chart 17423B	Same as SE01-05-02	Vessel master should have local knowledge. The head of Thorne Bay was a log transfer site. Bottom is covered with bark and debris. FOSC Historic Properties Specialist should MONITOR on-site operations. See Figure G-3-2 for equipment locations. Tested: not yet Surveyed: 5/5/03 TLR
SE01-05-04	Thorne Bay a. Lat. 55° 40.58 N Lon. 132° 27.8 W b. Lat. 55° 39.47 N Lon. 132° 29.8 W	Exclusion Exclude oil from entering the indicated coves in Thorne Bay.	Place booms (a) across the 2 entrances to the cove on the island at the entrance of Thorne Bay. Place (b) across the mouth of the southern arm of Thorne Bay. a. 2 ea. 300 ft. b. 1400 ft.	Deployment Equipment 2000 ft calm-water boom 20 ea. anchor systems (~40 lbs.) 12 ea. anchor stakes Vessels / Personnel / Tending Same as SE01-09-02	Thorne Bay or vessel platform	Via marine waters	Same as SE01-09-01	Tested: not yet Surveyed: 5/5/03 TLR
SE01-05-05	Thorne Bay a. Lat. 55° 41.0 N Lon. 132° 33.2 W b. Lat. 55° 40.4 N Lon. 132° 31.8 W c. Lat. 55° 39.68 N Lon. 132° 30.48W d. Lat. 55° 38.93 N Lon. 132° 29.29W	Passive Recovery Minimize impact to designated areas through passive recovery using snare line or sorbent boom.	Place 5200 ft. of snare line or sorbent boom across the small coves in Thorne Bay, inside the tidal flats. a. 1200 ft. b. 1800 ft. c. 1000 ft. d. 1200 ft.	Deployment Equipment 5200 ft. snare line or sorbent boom 54 ea. anchor stakes Vessels,Personnel,Tending Same as SE01-05-02	Thorne Bay or vessel platform	Via marine waters Chart 17423B	Same as SE01-05-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Surveyed: 5/5/03 TLR